

Appl. No. 10/536,511
Amdt. Dated March 22, 2008
Reply to Office Action of March 4, 2008

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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1. (Canceled)

2. (Original) A backlight apparatus having at least an optical unit, the optical unit comprising:

a first light source for emitting a first primary color light;

a second light source for emitting a second primary color light;

a third light source for emitting a third primary color light; and

a cross dichroic device having a first dichroic film for reflecting the first primary color light and transmitting the second primary color light and a second dichroic film for reflecting the third primary color light and transmitting the second primary color light, in an X-shape, for emitting white light by mixing the first, second and third primary color light.

3. (Original) A backlight apparatus having at least an optical unit, the optical unit, comprising:

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a light source for emitting white light;
a first mirror surface body for transmitting a first polarized wave and reflecting a second polarized wave;
a second mirror surface body for transmitting the second polarized wave reflected by the first mirror surface body; and
a polarization converting device for converting the second polarized wave reflected by the second mirror surface body into the first polarized wave;
wherein a polarized wave to be emitted is emitted aligned with the first polarized wave.

4. (Original) The backlight apparatus according to claim 3, characterized in that:

the light source is white light obtained by mixing each of primary color light emitted from a first light source for emitting a first primary color light, a second light source for emitting a second primary color light, and a third light source for emitting a third primary color light.

Claim 5. (Canceled)

6. (Original) A liquid crystal display apparatus, characterized by comprising:

a backlight apparatus having at least an optical unit,

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the optical unit having

a first light source for emitting a first primary color light,

a second light source for emitting a second primary color light,

a third light source for emitting a third primary color light, and

a cross dichroic device having a first dichroic film for reflecting the first primary color light and transmitting the second primary color light and a second dichroic film for reflecting the third primary color light and transmitting the second primary color light, in an X-shape, for emitting white light by mixing the first, second and third primary color light; and

a liquid crystal display panel for displaying an image by using light surface-emitted from the backlight apparatus.

7. (Original) A liquid crystal display apparatus, characterized by comprising:

a backlight apparatus having at least an optical unit, the optical unit having

a light source for emitting white light,

a first mirror surface body for transmitting a first polarized wave and reflecting a second polarized wave,

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a second mirror surface body for reflecting the second polarized wave reflected by the first mirror surface body, and

a polarization converting device for converting the second polarized wave reflected by the second mirror surface body into the first polarized wave,

wherein a polarized wave to be emitted is emitted aligned with the first polarized wave; and
a liquid crystal display panel for displaying an image by using light surface-emitted from the backlight apparatus.